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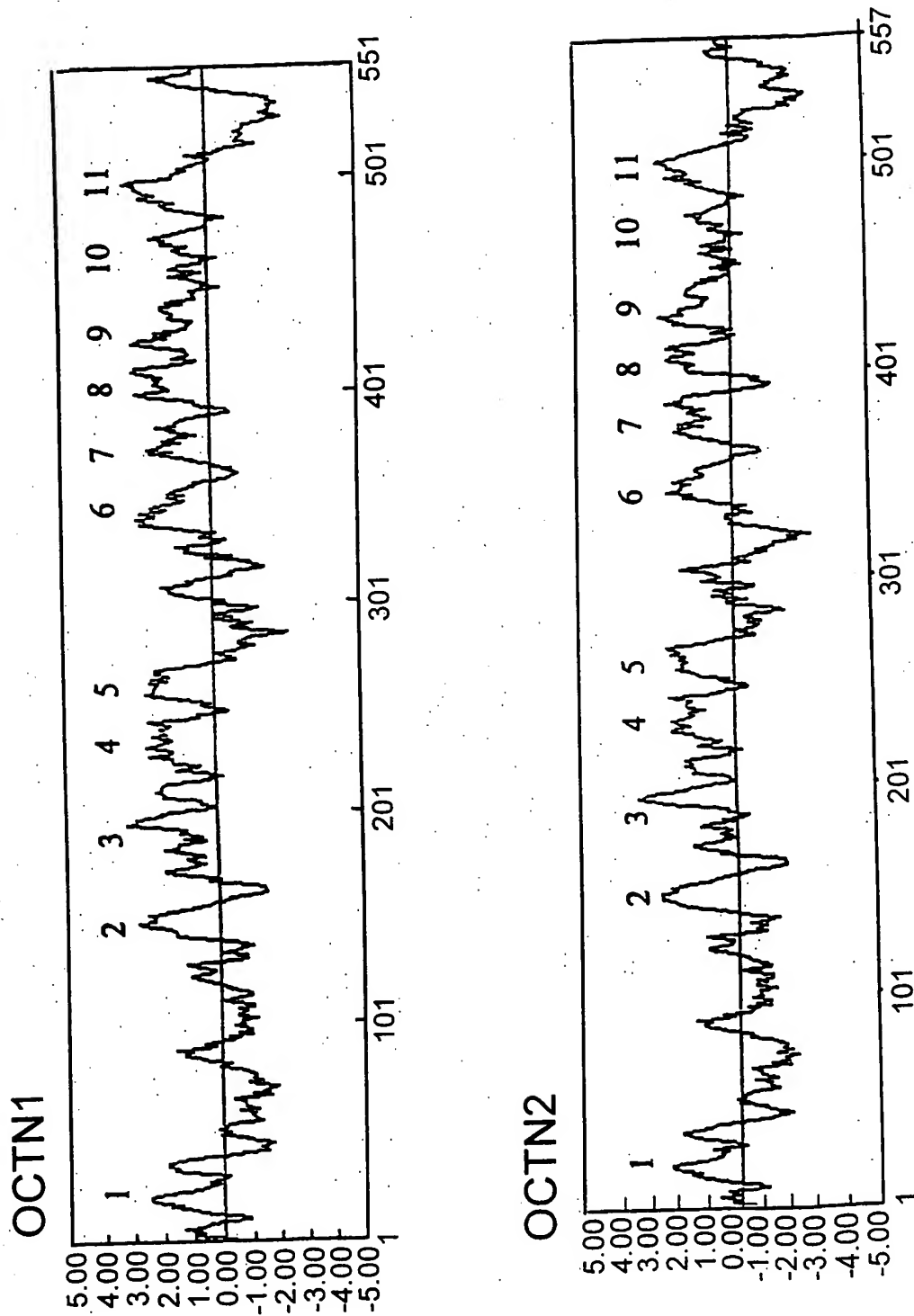
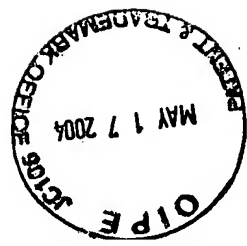


FIG. 1



CELL LINES DERIVED
FROM HUMAN CANCER

HUMAN ADULT TISSUES

HUMAN
FETAL TISSUES

PROMYELOCYTIC LEUKEMIA HL-60
CERVICAL CARCINOMA HeLa S3
CHRONIC MYELOCYTIC LEUKEMIA K-562
LYMPHOBLASTIC LEUKEMIA MOLT-4
BURKITT'S LYMPHOMA RAJI
LARGE INTESTINE ADENOCARCINOMA SW480
LUNG CANCER A549
MELANOMA G361

STOMACH
THYROID GLAND
SPINAL CORD
LYMPH NODE
TRACHEA
ADRENAL GLAND
BONE MARROW

SPLEEN
THYMUS
PROSTATE
TESTIS
UTERUS
SMALL INTESTINE
COLON
PERIPHERAL BLOOD LEUKOCYTE

HEART
BRAIN
PLACENTA
LUNG
LIVER
SKELETAL MUSCLE
KIDNEY
PANCREAS

BRAIN
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LIVER
KIDNEY

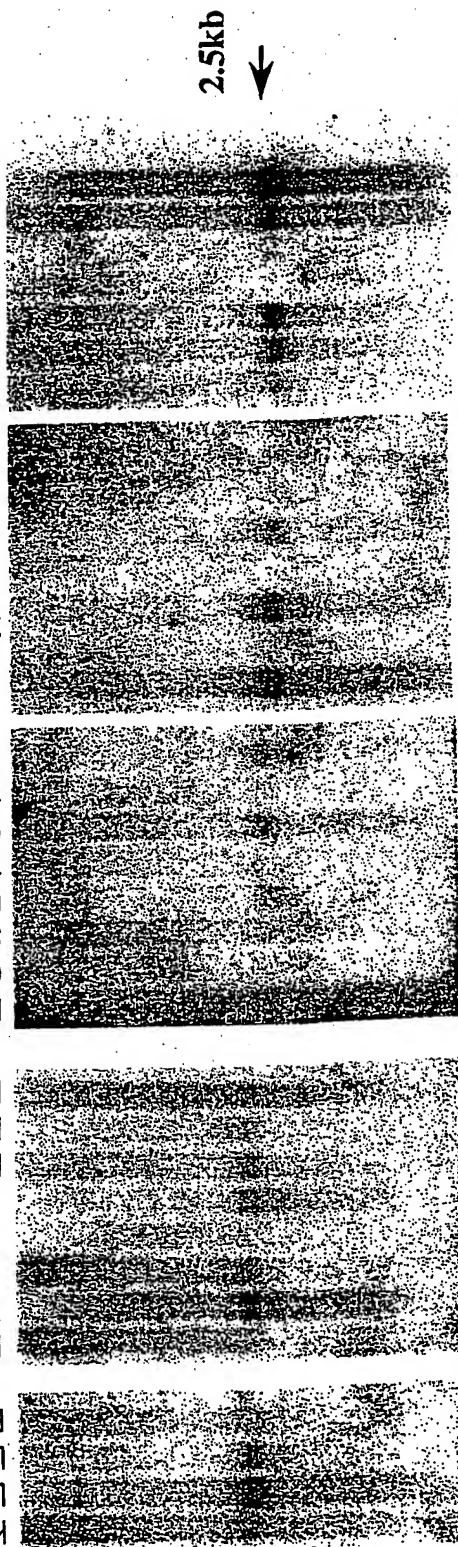


FIG. 2

OCTN1	1	MRDYDEVIAF	LGWGPFORL	IFELLASITL	PNGEIGSM	FLAGTPEHRC	RYPDAANLSS	AHRNHSVPLR	LRDGREVPHS	QRYRLATIA	NFSALGLEPG
OCTN2	1	MRDYDEVIAF	LGWGPFORL	IFELLASITL	PNGEIGSM	FLATPEHRC	RYPDAANLSS	AHRNHTVPLR	LRDGREVPHS	QRYRLATIA	NFSALGLEPG
OCTN1	101	RDVDLGOLEQ	ESCLDGWEFS	QDVYLSITVI	EWNLVCEDM	KVPLTISLFF	VGVLGSHFS	GQLSDRFGRK	NVLFATMAVQ	IGFSFLOIFS	ISWEMFTVLF
OCTN2	101	RDVDLGOLEQ	ESCLDGWEFS	QDVYLSITVI	EWNLVCEDM	KVPLTISLFF	VGVLGSHFS	GQLSDRFGRK	NVLFATMAVQ	IGFSFLOIFS	KNFEMFWLF
OCTN1	201	VLVGMGQISN	YVMAFVLGTE	ILGKSVRIIF	STLGVOIEFA	VGMLPLFA	YFIRDMRMLL	LALIMPGVLC	MPLWNFIPES	PRWLISQREF	REAEILIQKA
OCTN2	201	VLVGMGQISN	YVMAFVLGTE	ILGKSVRIIF	STLGVOIEFA	FGYMLPLFA	YFIRDMRMLL	VALIMPGVLC	VALWNFIPES	PRWLISQREF	EFAEVLIRKA
OCTN1	301	AKMNTAUPA	VIFDS--VEE	INPLKQOKAF	ILDLFRJRNJ	AIMTMSLL	WMLTSVGTHA	LSLDAPNLHG	DAYLNCFLSA	LIEIPAYITIA	WLLURTLPRR
OCTN2	301	AKRANGIWPB	TIFDPSLEQD	SSKKQOQSHN	ILDLFRJRNJ	RMVITMSIM	WMTISVGTHG	LSLDAPNLHG	DIFVNCFLSA	MVEVPAYVLA	WLLQVLPRR
OCTN1	399	VIJAAVLEMG	GGVLLFIOLV	PVDVFTLSIG	LVMGKFGM	SAFSMVMVFI	AELYPTIMVRN	MVGVIISTAS	RNGSIIAPYE	VYLGAYNRM	PYIMGSLIV
OCTN2	401	YSMAIALELG	GSVLLFMOLV	PPDLVYCATV	LVMGKFGM	MAFSMVMVFI	AELYPTIMVRN	MVGVSISTAS	RIGSILSPYE	VYLGAYDRFI	PYILMGSLII
OCTN1	499	QIGFTLFFP	ESLGVTLPET	LEQYOKWJF	RSGK---	TRDSMETEENPK	VJ-ITAF	551			
OCTN2	501	QTAHITLFLP	ESFGTPEPD	IDQVLRKGM	KHRSTPSHTR	MLKDGQERT	IKKSIAF	557			

FIG. 3

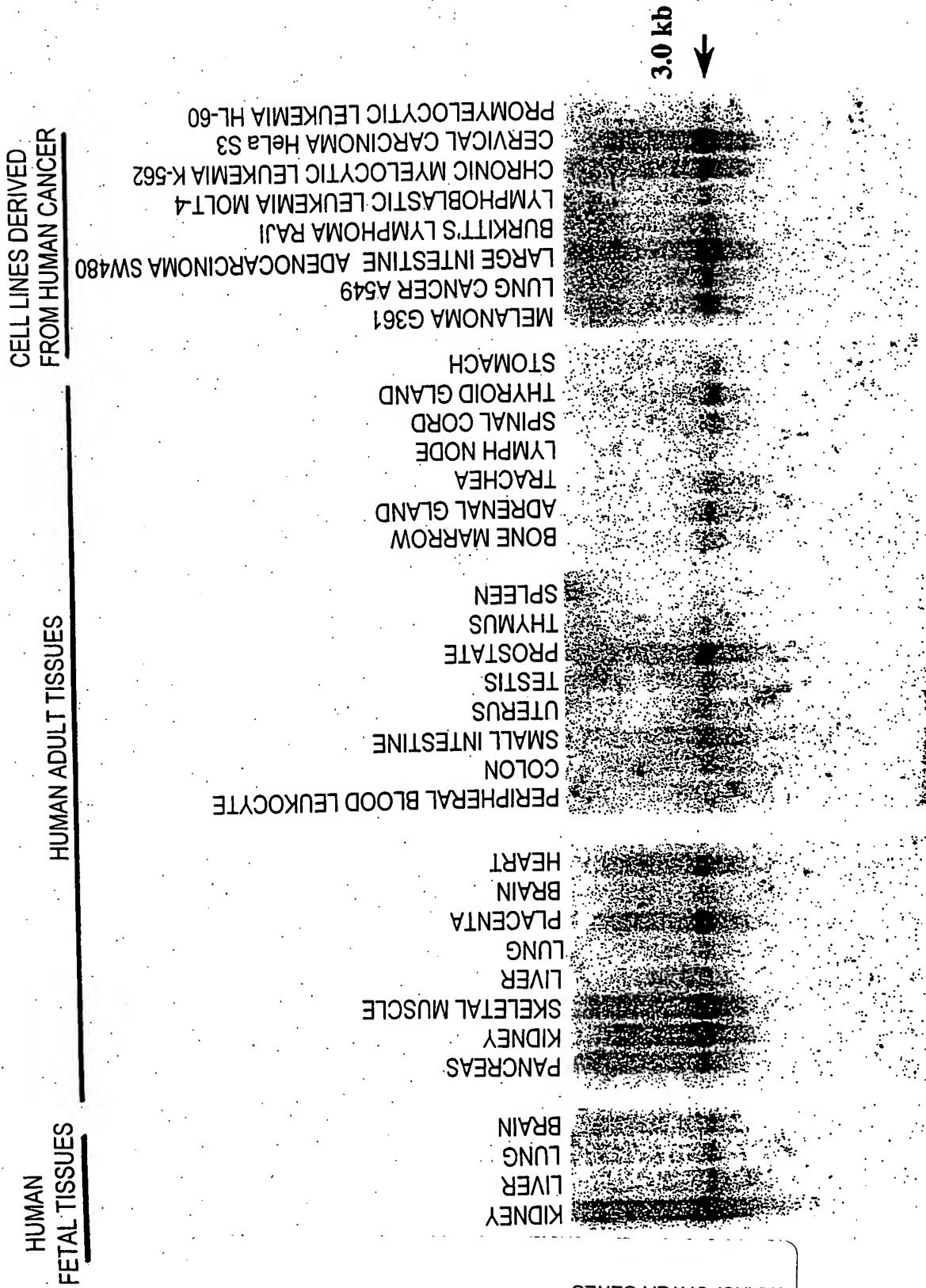


FIG. 4

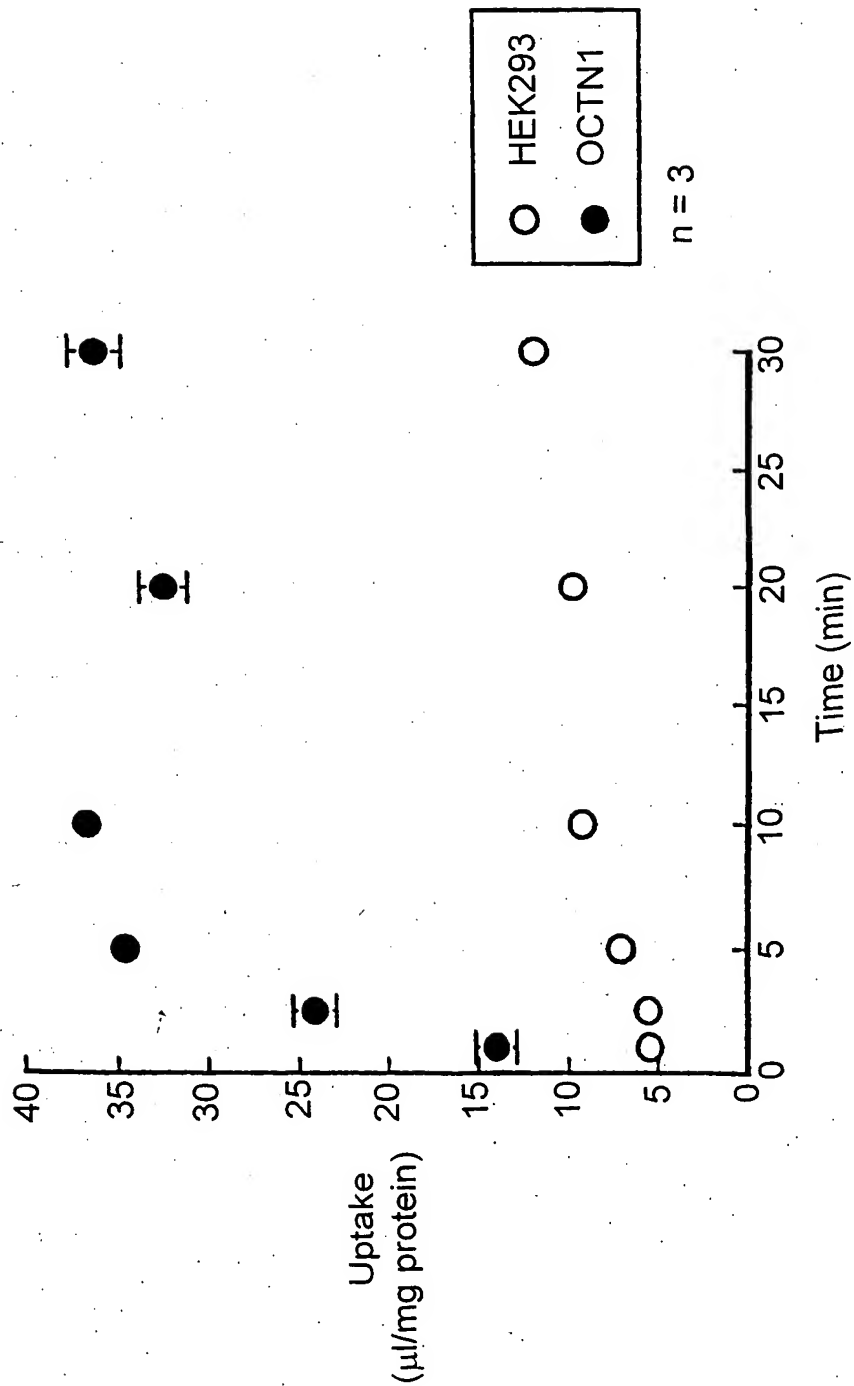


FIG. 5

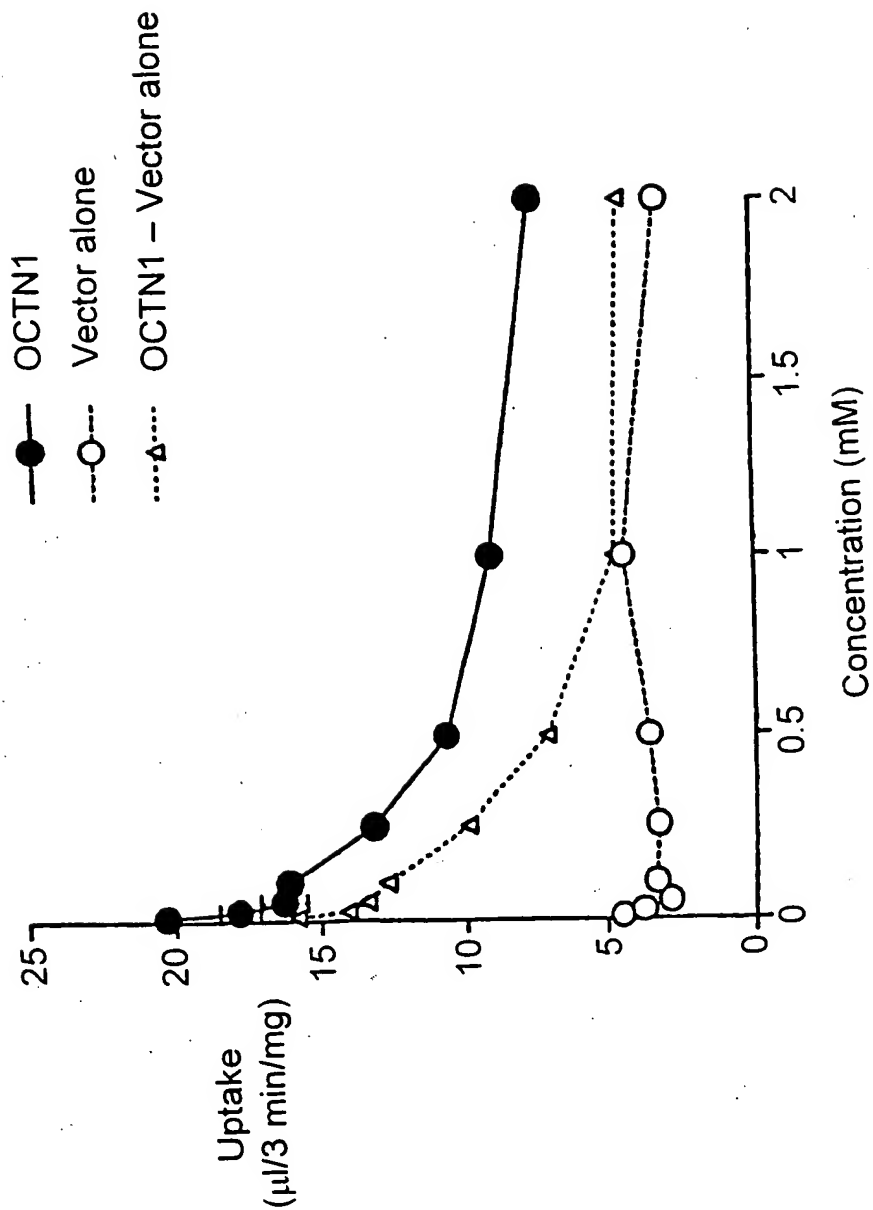


FIG. 6

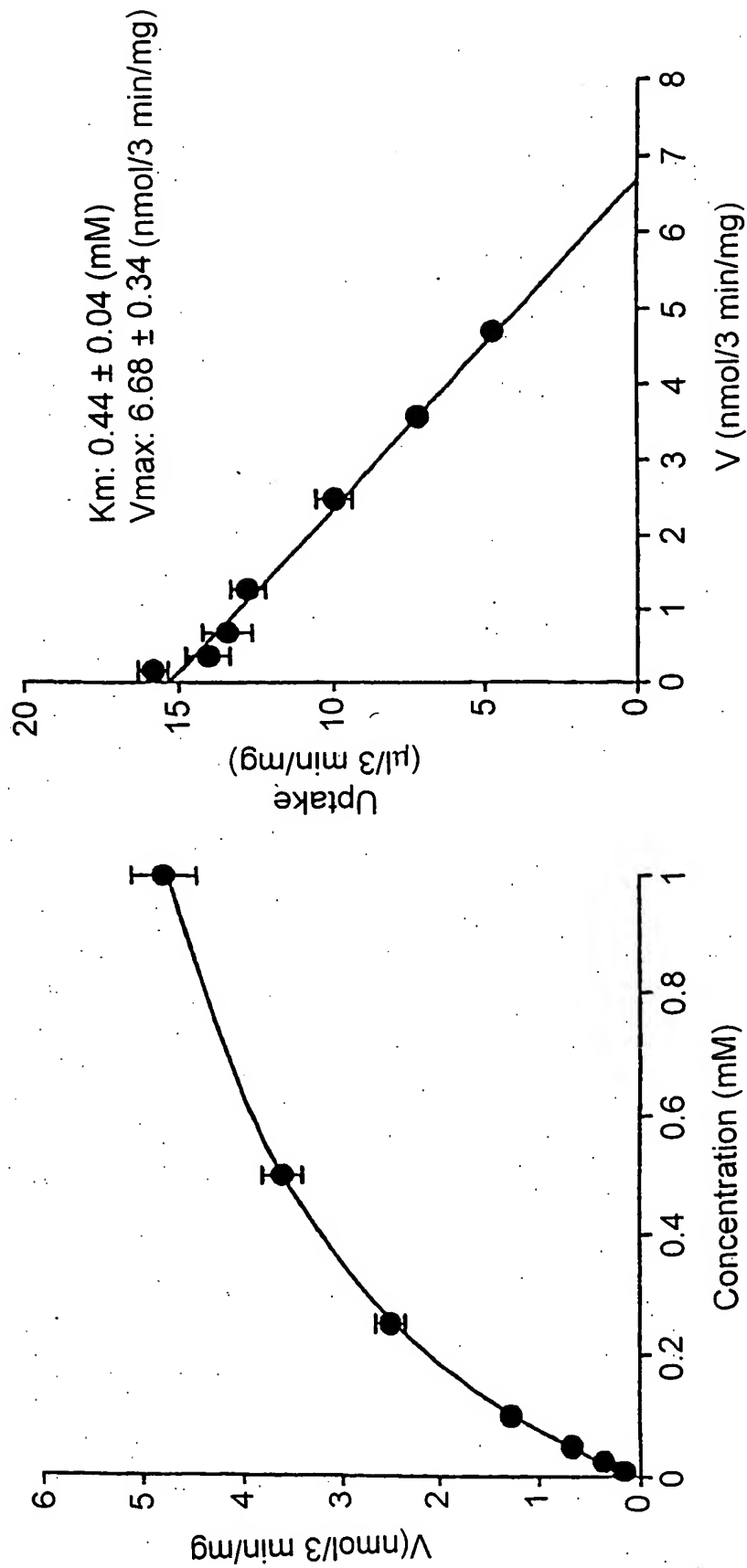


FIG. 7

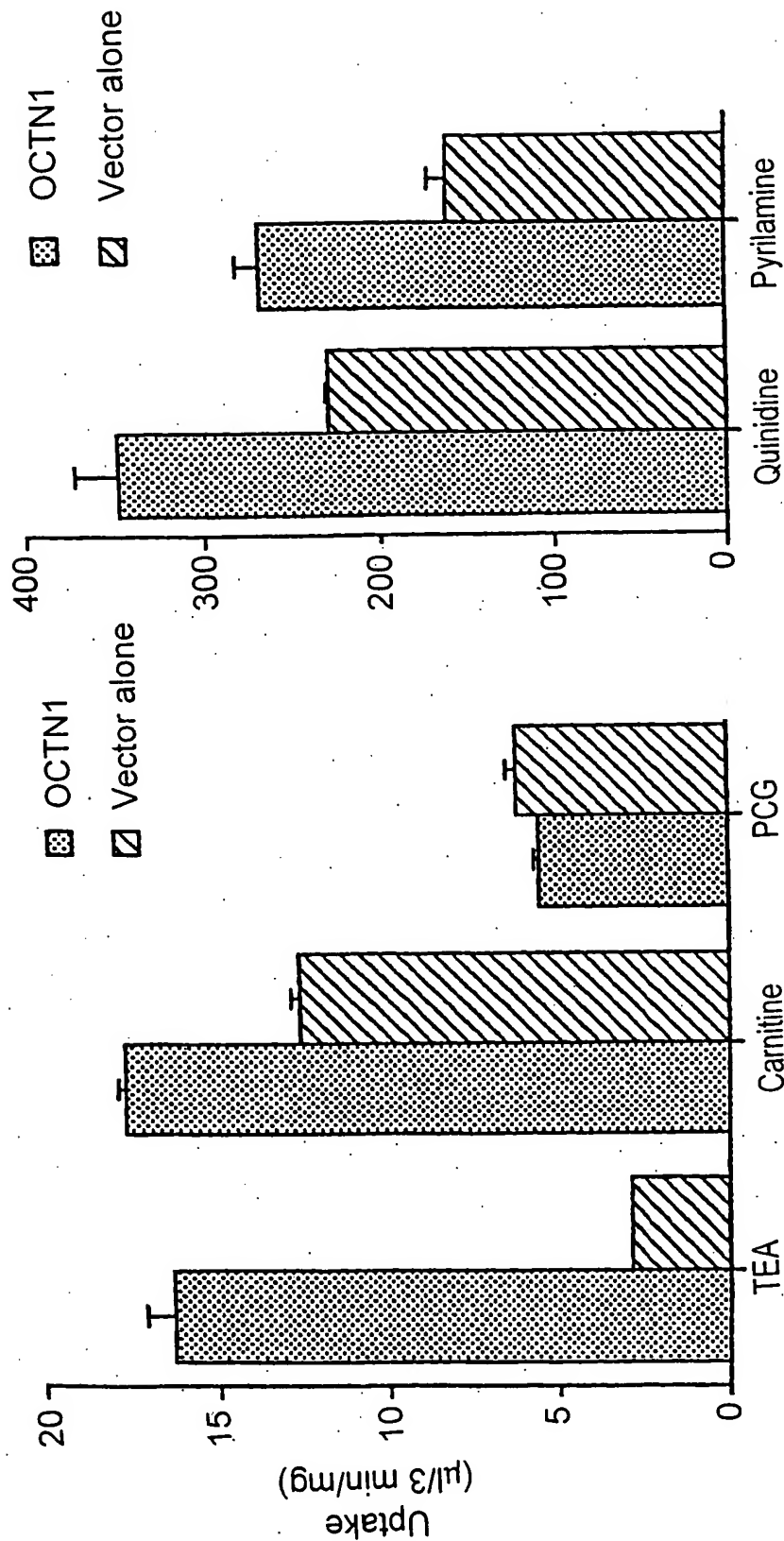


FIG. 8

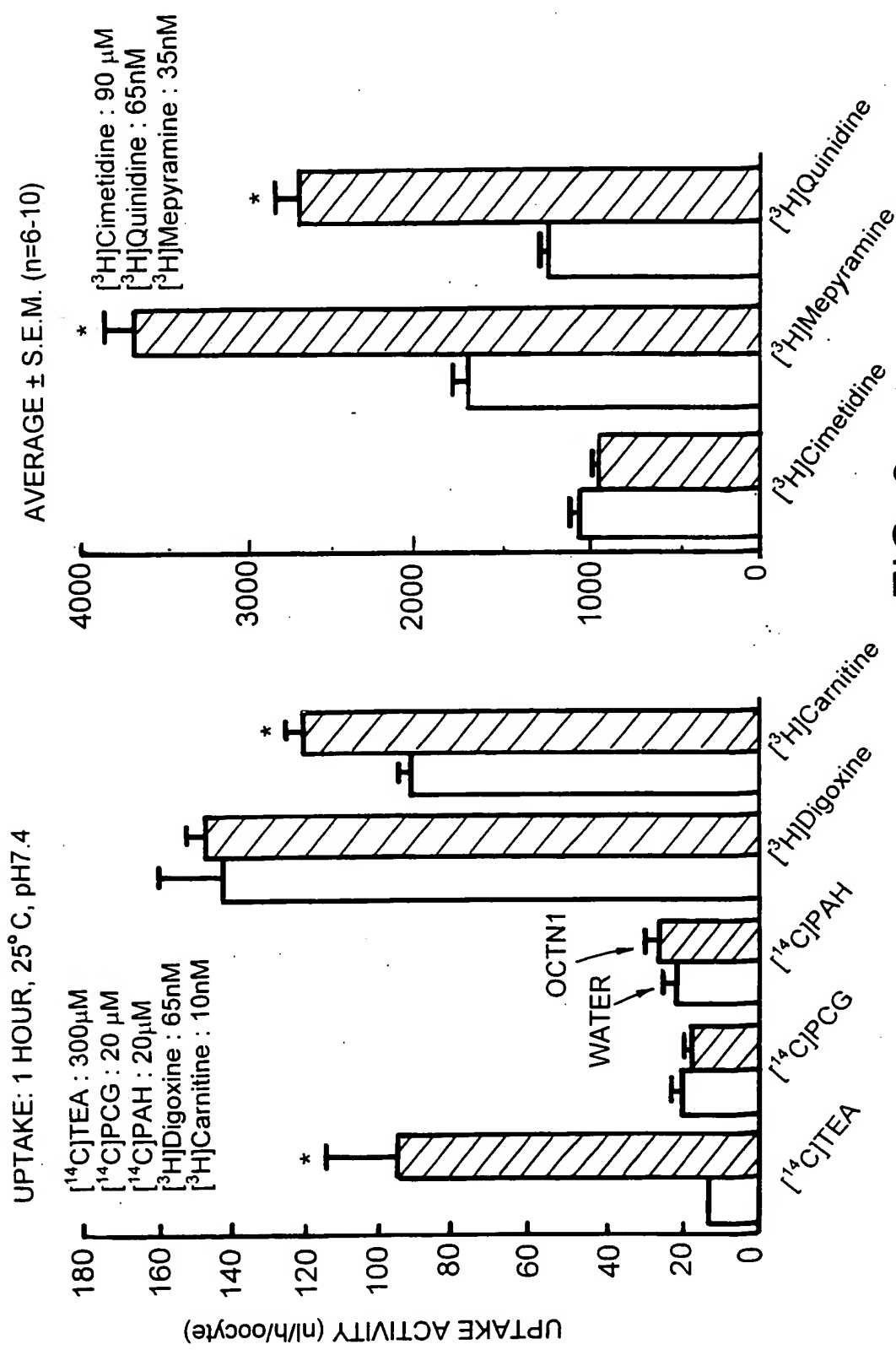


FIG. 9

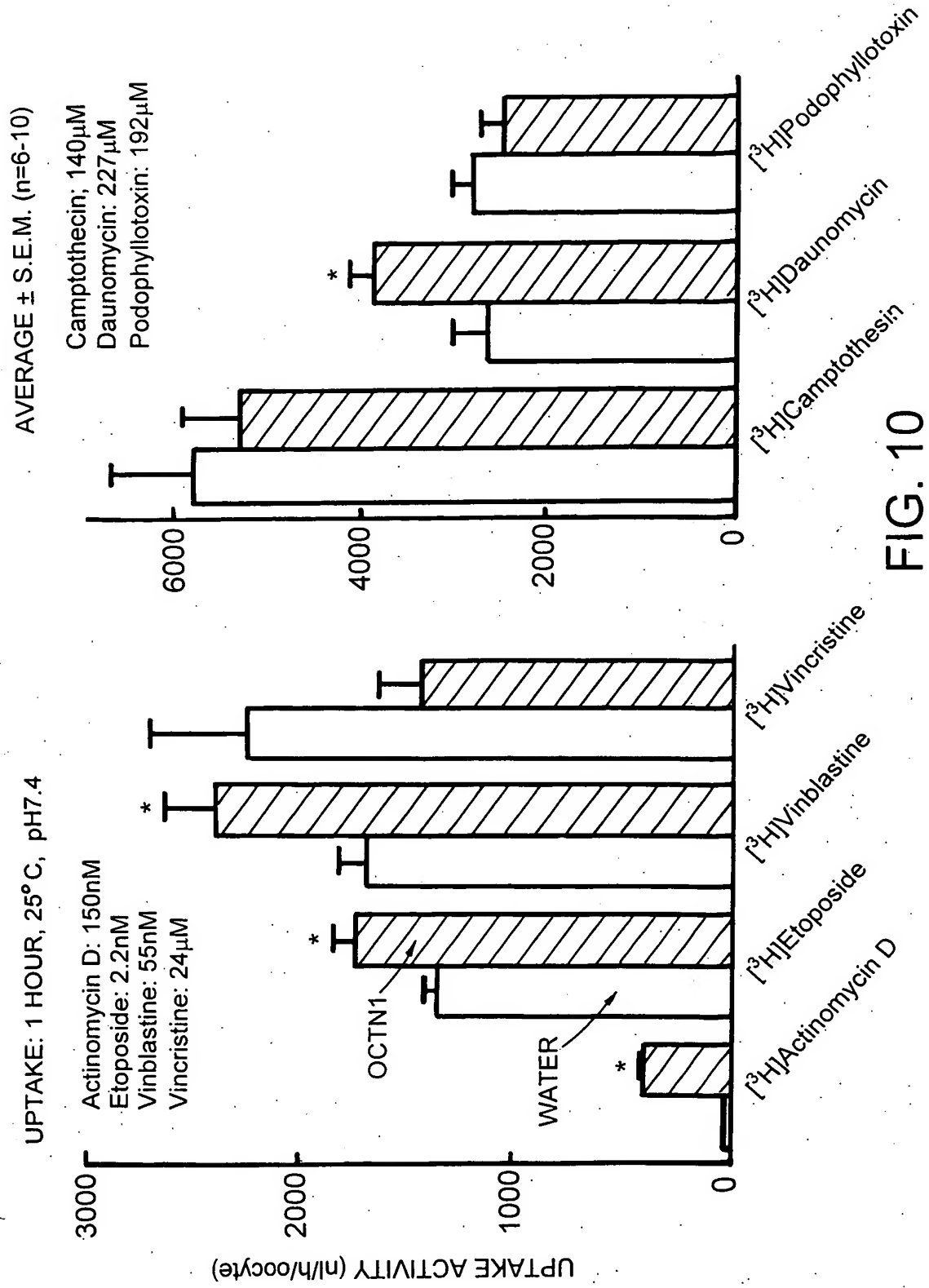
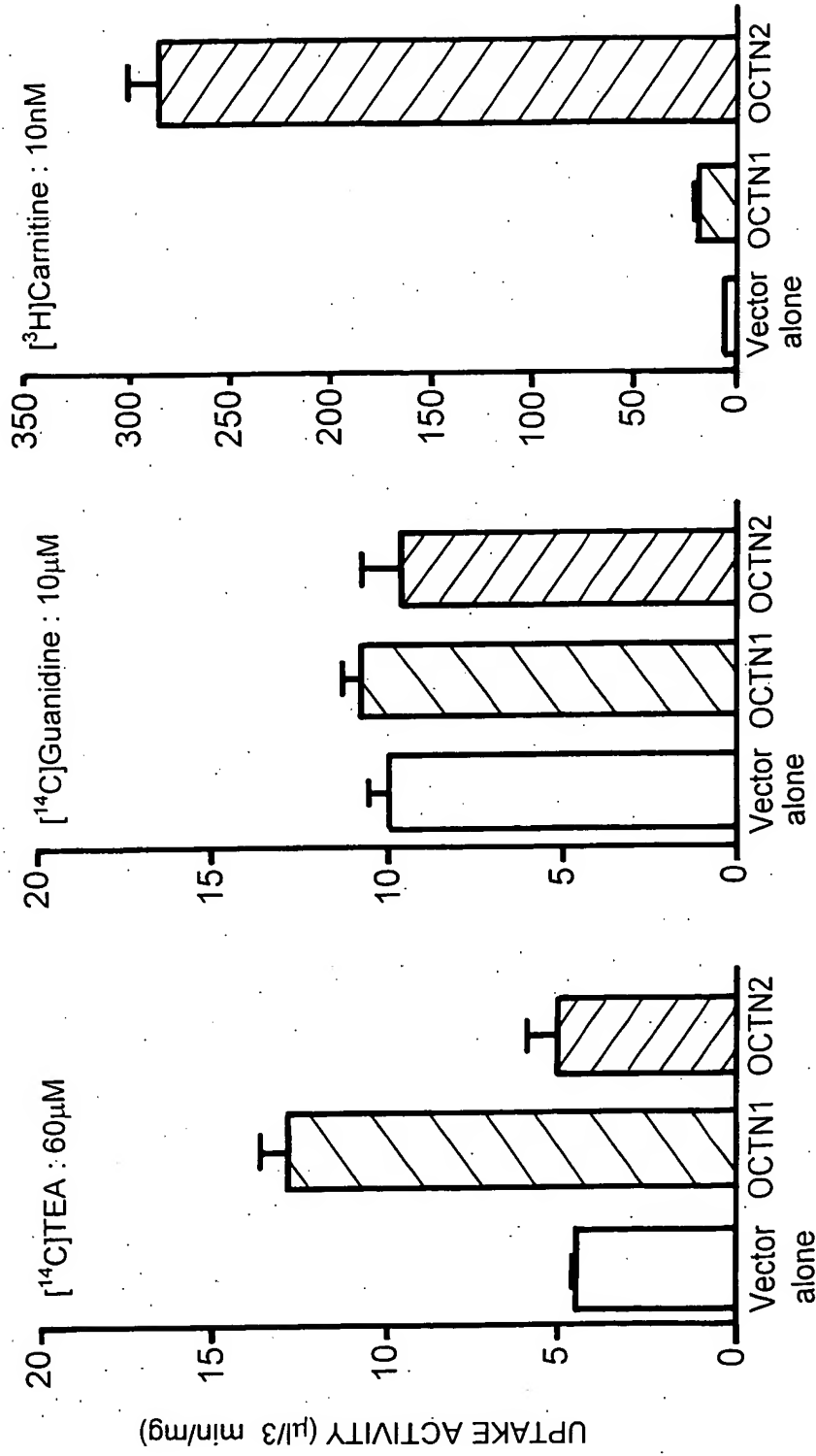


FIG. 10



Uptake: 3 min, 37°C, pH7.4 **FIG. 11** Average ± S.E.M. (n = 3)

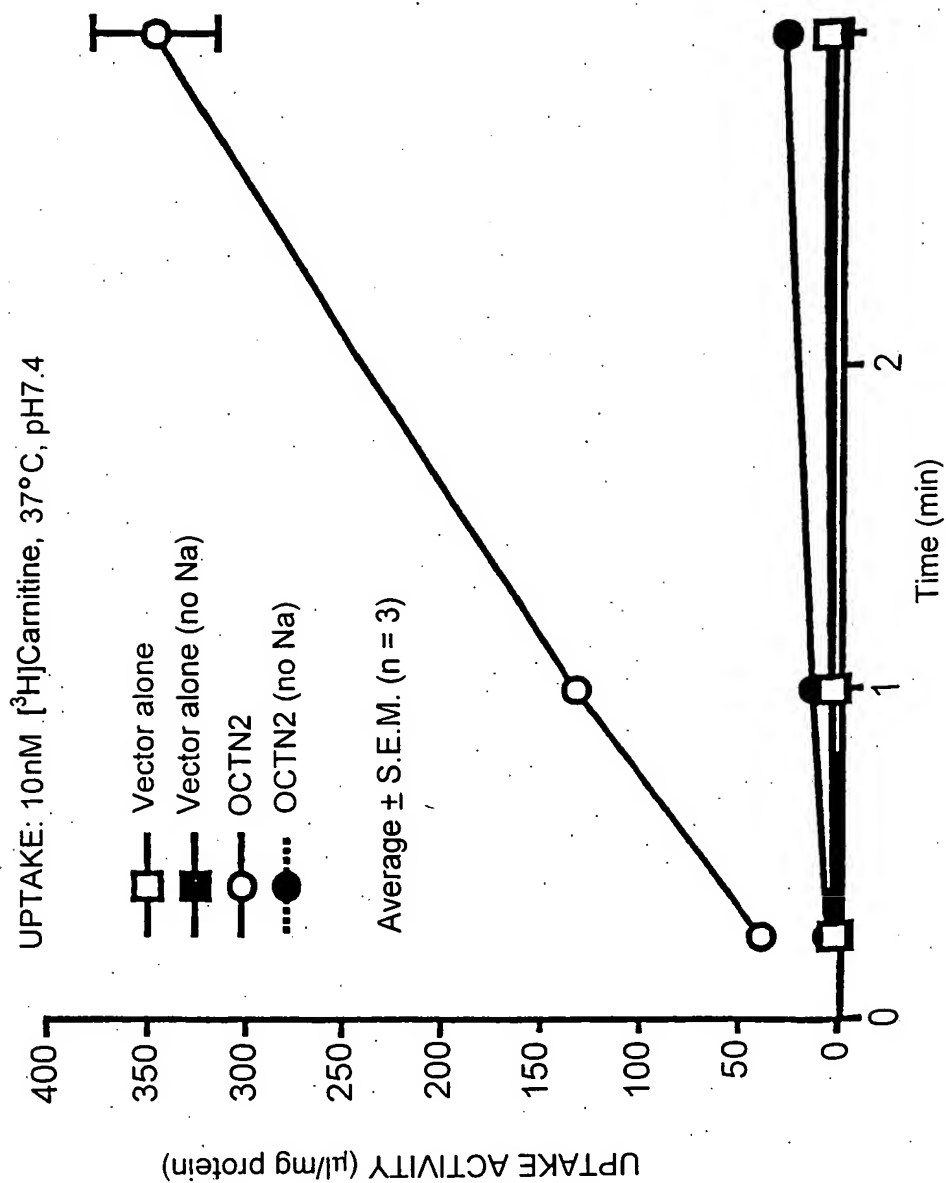


FIG. 12

Embryo Adult Tissues

17 day 15 day 11 day 7 day Testis Kidney Sk. Muscle Liver Lung Spleen Brain Heart No DNA

mouse OCTN 1

mouse OCTN 2

G3PDH

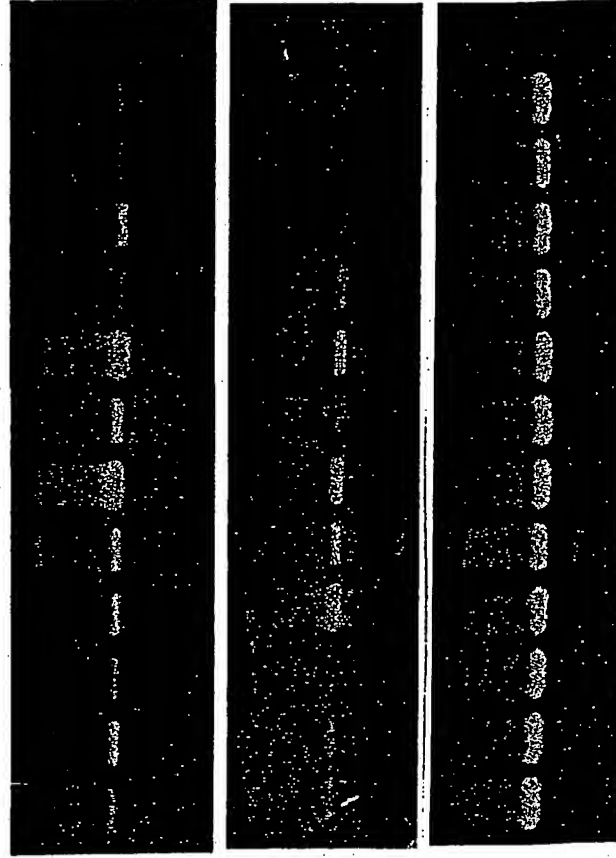


FIG. 13